PIONEER®
The Art of Entertainment

MULTI-CD CONTROL FM/MW/LW TUNER DECK AMPLIFIER

KEH-P11 EW,GR,IT

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Connection Diagram (Fig.4)

1. Antenna jack
2. Rear out
3. White
4. Red
5. Connecting cords with RCA pin plugs (sold separetely)
6. Power amp (sold separetely)
7. Blue
8. Multi-play CD player etc. (sold separetely)
9. IP-BUS input (blue)
10. Blue
    To system control terminal of the power amp or Auto-antenna relay control terminal (Max.300mA 12VDC).
11. Black (ground)
    To vehicle (metal) body.
12. Red
    To electric terminal controlled by ignition switch (12VDC) ON/OFF.
13. Orange
    To terminal always supplied with power regardless of ignition switch position
14. Fuse resister
15. Fuse holder
16. With a 2 speaker system, connect to the 2 speakers in the front or the rear.
17. Use this for connections when you have the separately available amplifier.
18. Front/left speaker
19. Front/right speaker
20. Rear/left speaker
21. Rear/right speaker
22. Green
23. Gray
24. Green/black
25. Gray/black
26. Green/red
27. Gray/red
28. Black/green
29. Black/gray

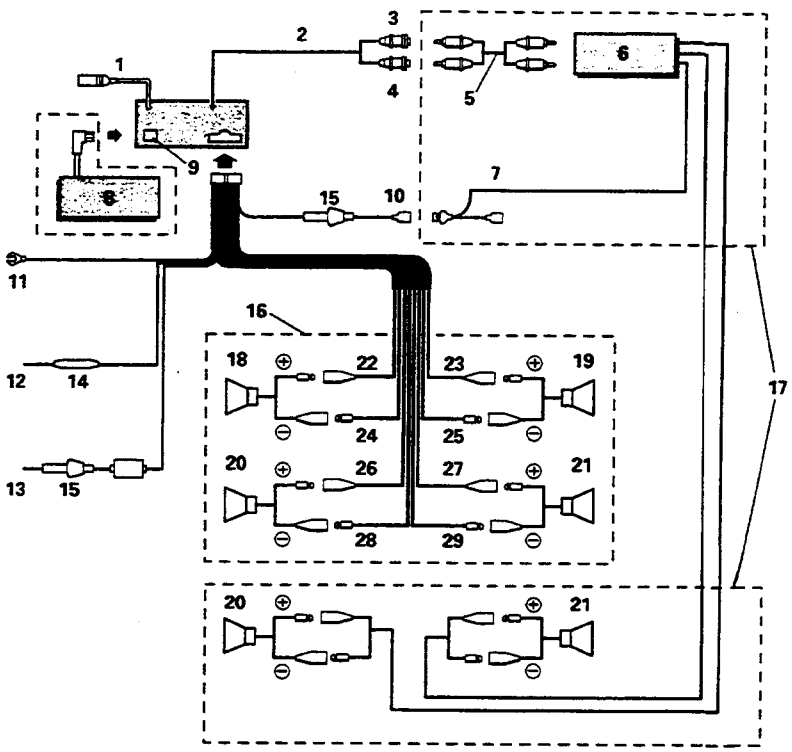


Fig. 4

Adjusting Volume and Tone

Parts Identification

Fig. 1

[1] Volume/Audio adjustment
[2] Source selector
[3] Eject
[4] Cassette door
[9] Function changeover button
[11] Preset/Function button
Function:
⑦ AUX ON/OFF
[12] Display
[13] Shift

Switching Power On

Radio

Press button [2] to switch the tuner power on. Press button [2] again to switch the power off.

Tape

Insert the cassette tape through the cassette door [4], and the power will be automatically turned on to get the tape start being played back. To eject the tape, press the button [3].

Changing the Source

When an optional multi-play CD player is connected to your unit, the source changes in the order listed below each time you press button [2]: Tuner → Multi-play CD player → OFF.

- You cannot change the source while a cassette is being played. To change the source, press button [3] to eject the cassette, then press the source button.

If another audio equipment is connected to the IP-BUS terminal with an optional conversion cord, set the AUX to ON by doing as follows:
Hold down button ⑦ in [11] and set the ignition switch from OFF to ON.
In this case, the source changes as follows:
Tuner → (Multi-play CD player) → AUX → OFF

Mode Selection

Each press of button [13] changes the mode as follows:
Volume adjustment (VOL) → Balance adjustment (FAD/BAL) → Tone adjustment (BAS/TRE) → Loudness select (LOUD)

- When you're adjusting fader, balance, bass, treble settings, the indicator will stop at the center setting.
- Balance adjustment, tone adjustment, and or loudness select mode will be canceled after about 8 seconds.

Volume Adjustment

Pressing the (+) side of button [1] increases the volume, while the (–) side decreases it. (Display shows "VOL 00" ~ "VOL 30".)

- *When driving your vehicle, be sure to keep the volume of the unit set low enough to allow you to hear sounds coming from outside.*

Balance Adjustment

Press button [13] to select balance adjustment mode.
("FAD" appears on the display.) Adjust the fader using the (+) or (–) side of button [1].
To adjust the balance, press either the (◀) or (▶) side of button [1] to turn on "BAL" and use the (◀) or (▶) side of the button.

Fader
When you press the (+) side of button [1], the front speaker volume increases gradually while the rear speaker volume decreases. When you press the (–) side the button, the rear speaker volume increases gradually while the front speaker volume decreases. (Display shows "FAD. F9" ~ "FAD. R9".)
- Please set "FAD. 0" when using 2 speaker system.

Balance
Pressing the (◄) side of button [1] shifts the balance to the left speaker, while the (►) side shifts it to the right speaker. (Display shows "BAL. L9" ~ "BAL. R9".)

Tone Adjustment
Press button [13] to select tone adjustment mode. ("BAS" appears.) Select the tone you wish to adjust using the (◄) or (►) side of button [1]. Pressing the (►) side boosts the TRE: pressing the (◄) side boosts the BAS.

Bass Adjustment
Select the Bass mode.
Pressing the (+) side of button [1] increases bass, while the (–) side decreases bass. (Display shows "BAS. –6" ~ "BAS. +6".)

Treble Adjustment
Select Treble adjustment mode.
Pressing the (+) side of button [1] increases treble, while the (–) side decreases treble. (Display shows "TRE. –6" ~ "TRE. +6".)

Loudness Select
This "loudness" function enhances both the high and low ranges of sound to give even more power to output even at low volume.
Press button [13] to select loudness select mode. (The "LOUD" indicator appears on the display.)
Pressing the (►) side of button [1] turns the loudness function on; pressing the (◄) side turns it off.

Using Source Level Adjuster

You may wish to adjust volume when you have changed the source to radio, tape, CD or AUX or when you have changed the radio band from FM to MW/LW. You can do so on the basis of the volume of FM as follows:

1. Use the button [2] to change the source. (In case of radio, change the band to MW/LW.)
2. Hold down the button [13] for about 2 seconds, and the display will show you the volume of the source. (Display shows "V. –4" ~ "V. +4".)
3. Pressing the (+) side of button [1] raises the volume and pressing the (–) side lowers it. About 8 seconds after the completion of the adjustment, the display returns to whether it was showing before the adjustment.

- No adjustment can be made when an FM station is tuned in.

Using the Radio

Parts Identification

Fig. 1
[1] Tuning/Local seek sensitivity/Seek, Manual
[2] Source selector
[6] Band
[8] Best Stations Memory (BSM)
[9] Function changeover button
[10] Preset
[11] Preset (FM1)/Function button
Function:
⑧ Local station
⑨ FM stereo/mono
⑩ Present scan
[12] Display

Fig. 2
[14] Band
[15] FM stereo
[16] FM mono
[17] Local station
[18] Manual
[20] Function indicator
[21] Frequency
[22] Preset number

Note:
- 12 stations can be preset with ⑦ to ⑫ of button [11] for FM1 only. Press button [9] to switch between the function button and the preset button.

Listening to the Radio

- **Electronic Tuner**

Frequency allocation differs depending upon the area. This unit has been designed in accordance with the frequency allocations for Western Europe, Asia, the Middle and Near East, Africa, Australia and Oceania. Use in other areas may result in improper reception of AM.

1. Press button [2] to switch the radio power on.
2. Press button [6] to select a band.

F1 → F2 → M/L
(FM1) (FM2) (MW/LW)

Use the (◄) and (►) sides of button [1] to change between MW (531 – 1,602 kHz) and LW (153 – 281 kHz).
3. Use seek tuning to tune in a frequency.
Press the (►) side of button [1] to automatically tune in the next higher receivable frequency, and the (◄) side for a lower frequency.
4. Adjust volume and tone (see page 1-3).
5. Assign the tuned frequency to one of the buttons in Bank [10] (preset memory).
Press and hold down one of the button in Bank [10] for at least 2 seconds. The frequency is assigned to the selected button when the preset number [22] stops flashing on the display. Up to 18 FM stations (12 FM1 stations and 6 FM2 stations), and 6 MW/LW stations can be assigned to the preset memory.
6. Once a frequency is assigned to a button in Bank [10], you just need to press that button to tune it in.
This also causes the number of the button pressed to appear at position [22] on the display.
- You can preset 12 FM1 stations. Preset them with button [11] as described above.

Adjusting Seek Sensitivity

The seek tuning function of this tuner lets you select between a local setting for reception of strong stations only, and a DX (distant) setting for reception of weaker stations. The local setting also has 4 seek tuning sensitivity levels for FM and 2 levels for MW/LW to match local conditions.

Changing the Local Seek Sensitivity

1. Use button [6] to select a band.
2. Hold down the button ⑧ of Bank [11] for more than 2 seconds, and the display will show you the current local seek sensitivity for about 5 seconds.
3. While the local seek sensitivity remains on the display, press the (►) side of button [1] to increase the sensitivity level, and the (◄) side to decrease the level as shown below:
   FM : LOC-1 = LOC-2 = LOC-3 = LOC-4
   MW/LW : LOC-1 = LOC-2
   The LOC-4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

- The display of local seek sensitivity returns to the frequency when about 5 seconds have elapsed after the change of sensitivity.

Switching between Local and DX (distant)

Press button ⑧ Bank [11] to switch between Local and DX (distant) seek tuning.
When "LOC.S" [17] is shown on the display, seek tuning is performed with the local seek sensitivity. Otherwise, seek tuning is performed with the DX seek sensitivity.

Manual Tuning

Use manual tuning when stations are too weak to be picked up by seek tuning.

1. Press both (◄) and (►) sides of button [1] at the same time to turn "MANU" [18] on.
2. Each press of the (►) side of button [1] increases the frequency in 50 kHz steps in the FM band, 9 kHz in the MW band and 1 kHz in the LW band. Pressing the (◄) side of button [1] decreases the frequency. Holding down either side of button [1] changes the frequency at high speed.

Switching between FM Stereo and Mono

Generally, it is best to allow the ARC (Automatic Reception Control) function to automatically set the optimum listening conditions. When stereo broadcasting is received, "⊂⊃" [15] will appear on the display. When there is a large amount of noise, you can press button ⑨ of Bank [11] for clearer mono reception ("MONO" [16] will appear on the display).

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in Bank [10] and [11] (FM1 only), from strongest to weakest. It comes in handy when trying to find local stations while driving.

1. Press button [6] and select a band.
2. Holding down button [8] for about 2 seconds will start BSM search. At this time, "BSM" will flash on the display.
3. The frequency display will return once BSM search is complete, and frequencies are assigned to preset buttons.

- You can cancel BSM search by pressing button [8] again.
- *If there are fewer than 6 strong stations (12 stations for FM1 only) in the area, some of the preset buttons will not be assigned frequencies, so they will retain any frequencies assigned to them previously.*
- *BSM search may take as long as 30 seconds in areas where there are few strong stations.*

Preset Scan Tuning

This function lets you automatically monitor the stations assigned to the preset buttons.

1. Press the button ⑩ of Bank [11], and the preset number [22] flash.
   Each station assigned to the preset buttons will be automatically tuned in for about 8 seconds.
2. When you hear a station that you like, press button ⑩ of Bank [11] again to cancel preset scan tuning and remain at that station.

Using the Tape Deck

Parts Identification

Fig. 1
[3] Eject
[4] Cassette door
[5] Fast forward, Rewind/Direction change
[12] Display

About Cassette Tapes

- *Do not use tapes longer than C-90-type (90 min.) cassettes. Longer tapes can interfere with tape transport.*
- *A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.*
- *Storing cassettes in areas directly exposed to sunlight or high temperatures can distort them and subsequently interfere with tape transport. (Fig. 5)*

Fig. 5

- *Store unused tapes in a tape case where there is no danger of them becoming loose or being exposed to dust.*

Cleaning the Head

If the playback head becomes dirty, sound quality will suffer. Periodically (once or twice a month) clean the head with a cotton swab soaked with alcohol. (Fig. 6)

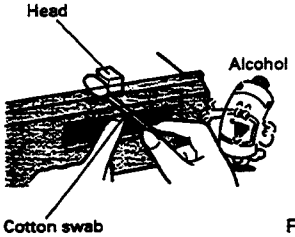


Fig. 6

Listening to a Tape

1. Insert the cassette tape into the slot [4], and power will be turned on and the tape begin being played back.
At this time, the tape running tape play indicator [25] will light up.
2. Adjust volume and tone (see page 1-3).
3. To eject the cassette tape, press the button [3].

- *Do not try to eject the cassette immediately after insertion, as it will cause malfunction. Wait a few seconds.*
- *Be sure to eject the tape when the front panel is removed, or the vehicle's ignition is turned OFF. Leaving the tape in the unit can deform the pinch roller causing wow and flutter during tape playback.*
- *Loose tapes should be rewound with the aid of a pencil and unevenly wound tapes rewound with the use of the fast forward function.*

Changing Program

Push the fast forward and rewind buttons [5] together to switch from one side of the tape to the other (from Side A to Side B or vice versa).

Using Fast Forward and Rewind

Since the transport can be in either direction, both the left and right high-speed tape transport buttons [5] can be regard as fast forward/rewind buttons.
For fast forward, press the high-speed tape transport button [5] that corresponds to the direction that is shown by the tape play indicator [25]. When the end of the tape is reached, playback will automatically begin from the opposite side of the tape (Auto-reverse).
For rewind, press the button [5] that is opposite that of the direction shown by the tape play indicator [25]. When the end of the tape is reached, playback will automatically begin from the beginning of the same side of the tape (Auto-replay).
When you release fast forward/rewind, lightly press button [5] located on the opposite side of the one you pressed to fast forward or rewind.

- "<< >>" [25] will flash when the tape is fast forwarding or rewinding.

Playing Compact Discs

Precautions When Using the Multi-Play CD Control

- This unit can control multi-play CD players when it is used with multi-play CD player (CDX-P1200, CDX-P600).
- If the IP-BUS extension adapter is used, up to 4 multi-play CD players can be connected. When two or more CD players are connected, their priorities must be specified for the Multi-play CD players. See the Multi-play CD players instructions and set the address switches correctly.
- The Owner's Manual for the multi-play CD player does not contain an explanation of the CD controls for this unit. Read this Owner's Manual for details on proper operation and keep it handy for later reference.

Note:
When this unit is used with a 12-disc Multi-play CD player, buttons ⑦ to ⑫ in [11] act as Disc number search buttons.
Press button [9] to switch between the function and the disc number search button.

Parts Identification

Fig. 1
[1] Track number search/Fast forward, Reverse
[2] Source selector
[6] Multi-play CD player select
[9] Function changeover button
[10] Disc number search
[11] Disc number search/Function button
Function:
⑦ Display switching/Disc title
⑧ ITS (Instant Track Selection)/ Program erase
⑨ Play mode switching/ITS play
⑩ Scan play/Random play
⑪ Title list
⑫ Pause
[12] Display

Fig. 3
[20] Function indicator
[27] Multi-play CD player number display
[28] Magazine repeat mode display
[29] Manual
[30] Track number
[31] Disc repeat mode display
[32] Disc number

Using the Multi-Play CD Player

1. Press button [2] to change the display to the multi-play CD player mode and to begin disc play.
Each press of button [2] changes the mode as follows:
Tuner — Multi-play CD player — OFF
2. Use the Disc Number Search function to select a disc.
Select the desired disc by pressing one of the Disc number search button. The number of the disc selected appears at position [32] on the display.

- If the number at position [32] on the display does not change when you press a Disc number serch button, it means that there is no disc loaded in that tray.

3. Adjust volume and tone (see page 1-3).
4. To stop disc play, press button [2].
At another press, the normal play resumes from about where it stopped.

Note:

- It takes about 30 seconds from setting the magazine in the multi-play CD player till the start of CD playback. ("READY" appears on the display.) This does not indicate a problem; it is just for verifying there a disc in the magazine.
- When the multi-play CD player is not working correctly, an error message appears on the display (Ex.: "ERROR-80"). Identify the error from the multi-play CD player owner's manual.
- After you press a Disc number search button, it may take some time before play begins due to the time necessary to load and set the disc in the mechanism.

Multi-Play CD Player Switching

Up to 4 Multi-play CD player can be connected to this unit. When several multi-play CD players are connected, you can select the one you want to play.
Each press of button [6] selects multi-play CD players 1 to 4. The Multi-play CD player number appears on the display [27].

Track Number Search

The desired track on the disc currently being played can be selected by track (or song) number.
Confirm that Track Number is shown at Position [30] on the display. If not, press the button ⑦ of Bank [11].
Press the (►) side of button [1] to increase the number at Position [30], or the (◄) side to decrease the number. Holding either side of button [1] changes the track number at high speed.

Using Fast Forward and Reverse

1. Press both (◄) and (►) sides of button [1] at the same time to turn "MANU" [29] on. The display shows the dlapsed playing time.
2. Press the (►) side of button [1] for fast forward, and the (◄) side for reverse.

- Sound is output during fast forward and reverse operations.

Repeat

You can select one of the play modes (repeat modes) listed below.

Play mode (repeat mode)	Operation
One-Track Repeat	Play the current track repeatedly. • When you perform track number search or fast forward or rewind, the mode changes to disc repeat mode. • Switching the multi-CD player being played or the disc switches to magazine repeat mode.
Disc Repeat	Play the same disc repeatedly. • Switching the multi-CD player being played or the disc switches to magazine repeat mode.
Magazine Repeat	Play all discs loaded in the magazine in the multi-play CD player repeatedly. All discs in the magazine are played repeatedly from the first disc.
ALL Repeat	The mode changes to this mode when 2 or more multi-play CD players are connected. Multi-play CD players 1 to 4 are played.

Each press of button ⑨ in bank [11] causes the mode to change as follows:
One-Track Repeat ("RPT" appears on the display) — Disc Repeat ("DISC" [31] appears) — Magazine Repeat ("M-CD" [28] appears) — ALL Repeat

Random Play

The microcomputer of the multi-play CD player selects plays tracks on discs in random order. Random play is performed according to the current play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be played at random
One-Track Repeat	All tracks on the disc being played. • The play mode changes to disc repeat mode.
Disc Repeat	All tracks on the disc being played.
Magazine Repeat	All tracks on the discs in the magazine being played.
ALL Repeat*	All tracks on all discs in multi-play CD players 1 to 4.

* When 2 or more multi-play CD players are connected.

1. Select the desired random play mode (repeat mode).
2. Hold down button ⑩ in bank [11] for more than 2 seconds. ("RDM" appears on the display.) To cancel random play, hold down button ⑩ in bank [11] for more than 2 seconds again. ("RDM" disappears.)

Using Scan

The first parts of each track are played in succession for about 10 seconds. This function is useful to search for the track or disc you want to listen to. Scan is performed according to the current play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be scanned and played
One-Track Repeat	All tracks on the disc being played. • The play mode changes to disc repeat mode.
Disc Repeat	All tracks on the disc being played.
Magazine Repeat	The first tracks of all the discs in the magazine being played.
ALL Repeat *	First tracks of all discs loaded in multi-play CD players 1 to 4.

* When 2 or more multi-play CD players are connected.

1. Select the desired scan play mode (repeat mode). (See page 1-7.)
2. Press button ⑩ in bank [11]. ("SCN" appears on the display.) The first parts of all tracks are played in succession for about 10 seconds.
3. When you hear the track you want, press button ⑩ in bank [11] again to cancel Scan. ("SCN" disappears.) The track (disc) being played is when played to the end.

- The previous function automatically resumes when a piece of music with which Scan began returns.

ITS (Instant Track Selection)

This function lets you program and play the tracks you want. You can listen to just your favorite tracks.

- The ADPS function* of the multi-play CD player lets you program up to 100 discs. (Up to 100 discs can be programmed including disc title inputs (see page 1-9).)
  * ADPS: Automatic Disc Program Selection
- Up to 99 tracks can be programmed for a single disc.
- When the number of discs exceeds 100, discs not being played (information not being renewed) in memory is overwritten by the newest.
- Tracks are programmed for each disc. Programmed tracks are not erased after the disc is changed.

Programming

1. Play the track you want to program.
2. Press button ⑧ in bank [11] to program the track.
   ("ITS" appears on the display [30] for 3 seconds.)

- Program tracks while ITS play is not in progress. It is possible during scan play or random play.

ITS Play

Track stored only in memory are played inoder. Tracks are played according to ITS play mode (repeat mode) as follows:

Play mode (repeat mode)	Tracks to be played by ITS
One-Track Repeat	Programmed tracks on the disc being played. • The play mode changes to disc repeat mode.
Disc Repeat	Programmed tracks on the disc being played.
Magazine Repeat	Programmed tracks on the discs in the magazine being played. • If the disc being played contains no programmed tracks, the next disc containing programmed tracks is played.
ALL Repeat*	Programmed tracks on all discs in all magazines in multi-play CD players 1 to 4. • If the disc (multi-play CD) being played contains no programmed tracks, the next disc (multi-play CD) containing programmed tracks is played.

* When 2 or more multi-play CD players are connected.

1. Select the desired ITS play mode (repeat mode). (See page 1-7.)
2. Hold down button ⑨ in bank [11] for more than 2 seconds. ("ITS.P" appears on the display [30].) To cancel ITS play, hold down button ⑨ in bank [11] for more than 2 seconds again. ("ITS.P" disappears.)

- *If you try to play a track that is not programmed within the play range of the selected repeat mode by ITS, "EMPTY" will appear on the display [30] for about 3 seconds, indicating that ITS play is not possible.*
- *You can perform scan play or random play during ITS play. In this case, scan play or random play applies to all the tracks stored in memory. (If the play mode is the magazine repaet mode or all repeat mode, scan play applies to all the tracks of the discs in the magazine stored in memory.)*
- *During ITS play, multi-play CD players containing discs with programmed tracks are switched, and disc and track number search is performed on programmed tracks. So, you cannot switch to any tracks or discs that are not stored in memory.*

Erasing the ITS Program

You can erase one or all selections of the program for the disc being played by ITS.

To erase a single selection:

1. Start ITS play. (See page 1-8.)
2. Play the track you wish to erase by using disc number search or track number search.
3. Hold down button ⑧ in bank [11] for more than 2 seconds. ("CLEAR" appears on the display [30] for about 3 seconds.)

To erase the disc program:

1. Start normal play.
2. Play the disc you wish to erase by using disc number search.
3. Hold down button ⑧ in bank [11] for more than 2 seconds to erase the program. ("CLEAR" appears on the display [30] for about 3 seconds.)

Pausing

1. Press button ⑫ in bank [11] to pause during disc playback ("PAUSE" appears on display [30]).
2. Press button ⑫ in bank [11] again to release pause.

- You can select a track using the track number search during pause. ("PAUSE" is off while a track is being searched.) When the track search ends, the found track is paused at its betinning.

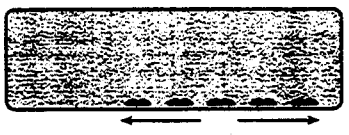
Disc Title Input

You can enter a title for the disc in the multi-play CD player. The title stored for the disc can be displayed.

- The ADPS function* of the multi-play CD player lets you enter titles for up to 100 discs. (Up to 100 discs, including ITS, can be programmed (see page 1-8).)
  *ADPS: Automatic Disc Program Selection
- A disc title can consist of up 5 characters for a single disc.
- When the number of discs exceeds 100, discs not being played (Information not being renewed) in memory is overwritten by the newest.
- One title is stored for each disc. The title stored for a disc is not erased after the disc is changed.

Entering Titles

1. Select the disc for which you want to enter a title.
2. Hold down button ⑦ in bank [11] for more than 2 seconds to select title input mode.
3. Press the (◄) or (►) side of button [1] to select the input position. The input position moves continuously when you hold down either side of the button.



4. Select characters using the (+) or (–) side of button [1]. When you hold down either side of the button, the character changes continuously. Each press of the (+) side changes the character from "A → B → C...", while each press of the (–) side changes the character from "C → B → A". To enter a space, press the space sign (_).
5. Enter all characters by repeating steps 3 and 4.
   Press button ⑦ in bank [11] to store them in memory.
   The title will appear on the display.

- To modify an input title, carry out steps 1 to 5 above again.

Disc Title List

You can list all discs loaded in the magazine being played. This function is convenient for checking discs in the magazine being played.
Each press of button ⑪ in bank [11] displays the titles of the discs in magazine being played in ascending order of disc number.
The disc title is displayed for about 8 seconds, then the normal operation display returns.

- *Nothing is displayed for discs having no titles.*
- *Trays with no discs are skipped.*

Select the disc to be played from the disc list display.

1. Press button ⑪ in bank [11] to display the disc title.
2. When the title of the disc you want to listen to is displayed, press button ⑦ in bank [11]. That disc is played.

Display Switching

Press button ⑦ in bank [11], to display the disc title. Press the button again, to bring the normal display back.
When you press button [6] while the disc title is being displayed, the normal operation display will appear for 8 seconds.